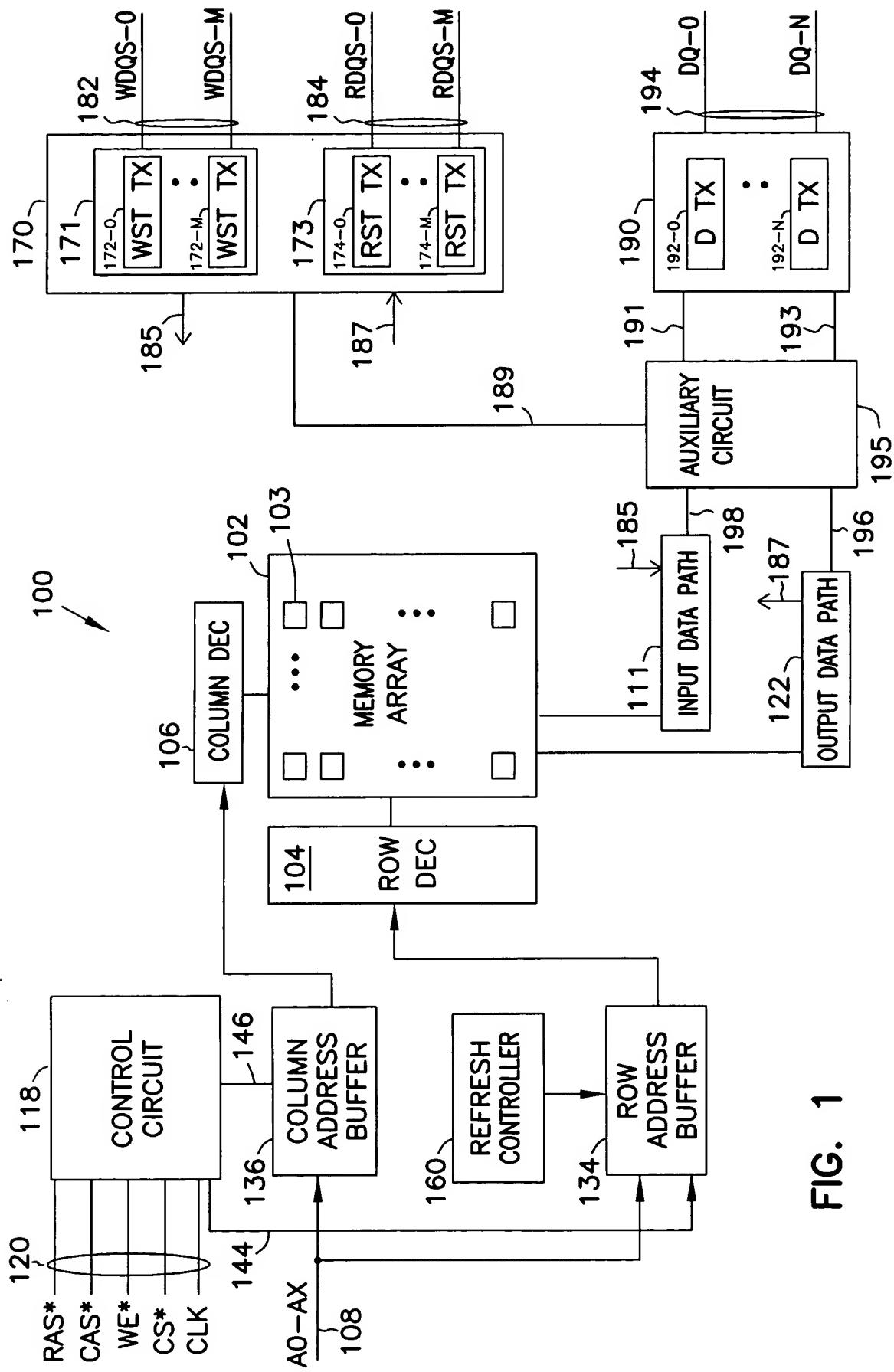


TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1



1  
FIG.

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

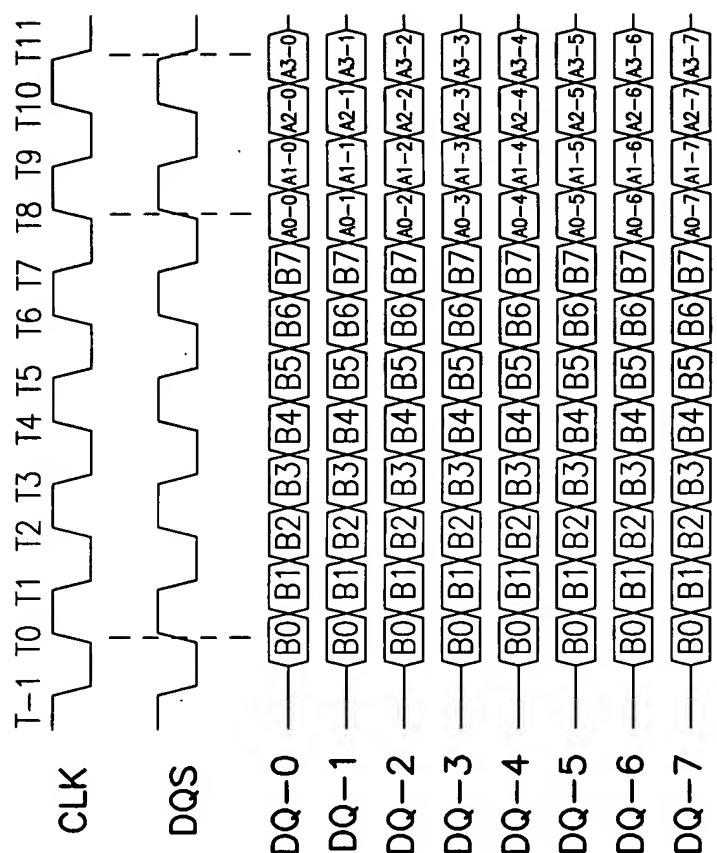
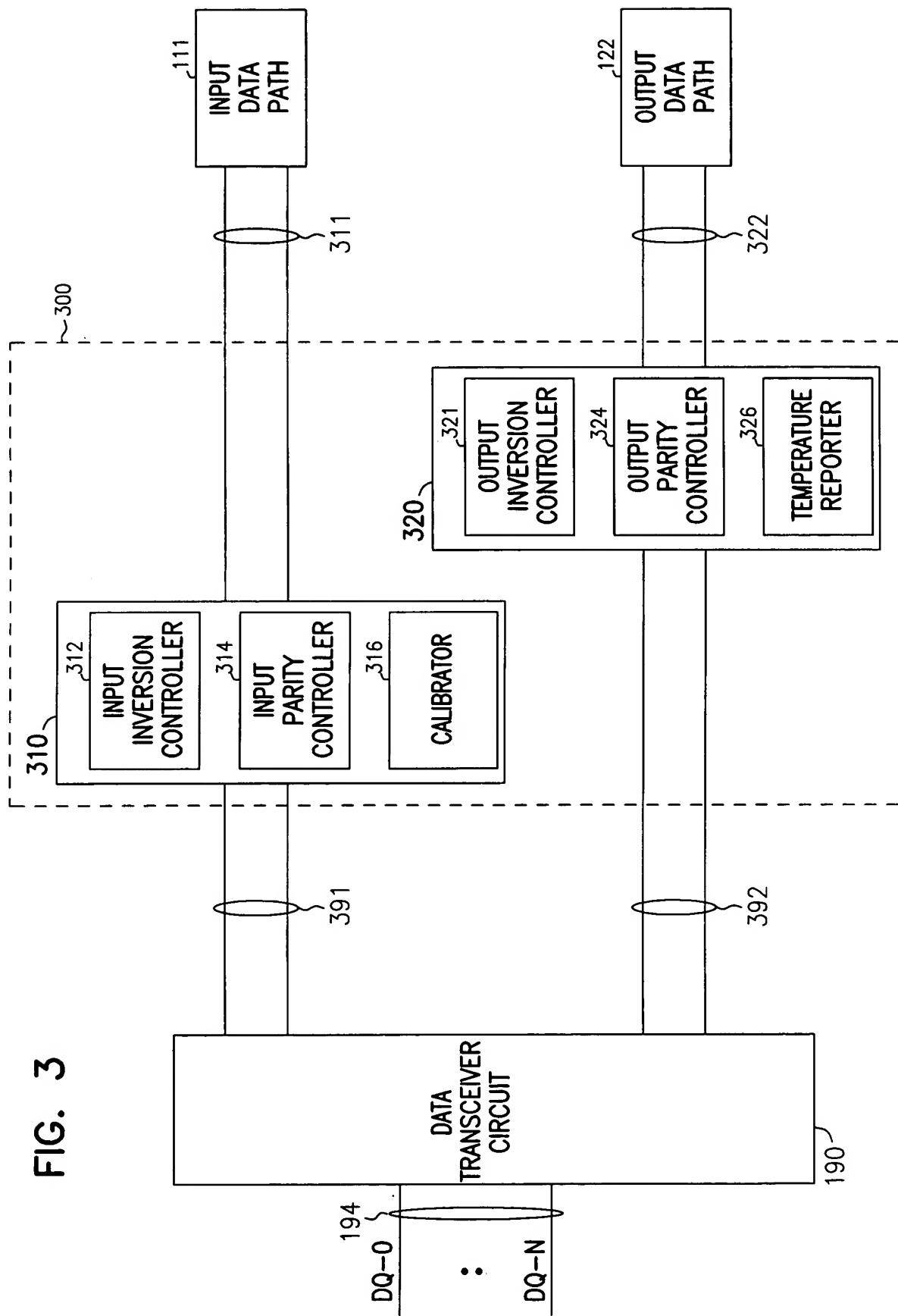


FIG. 2



TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

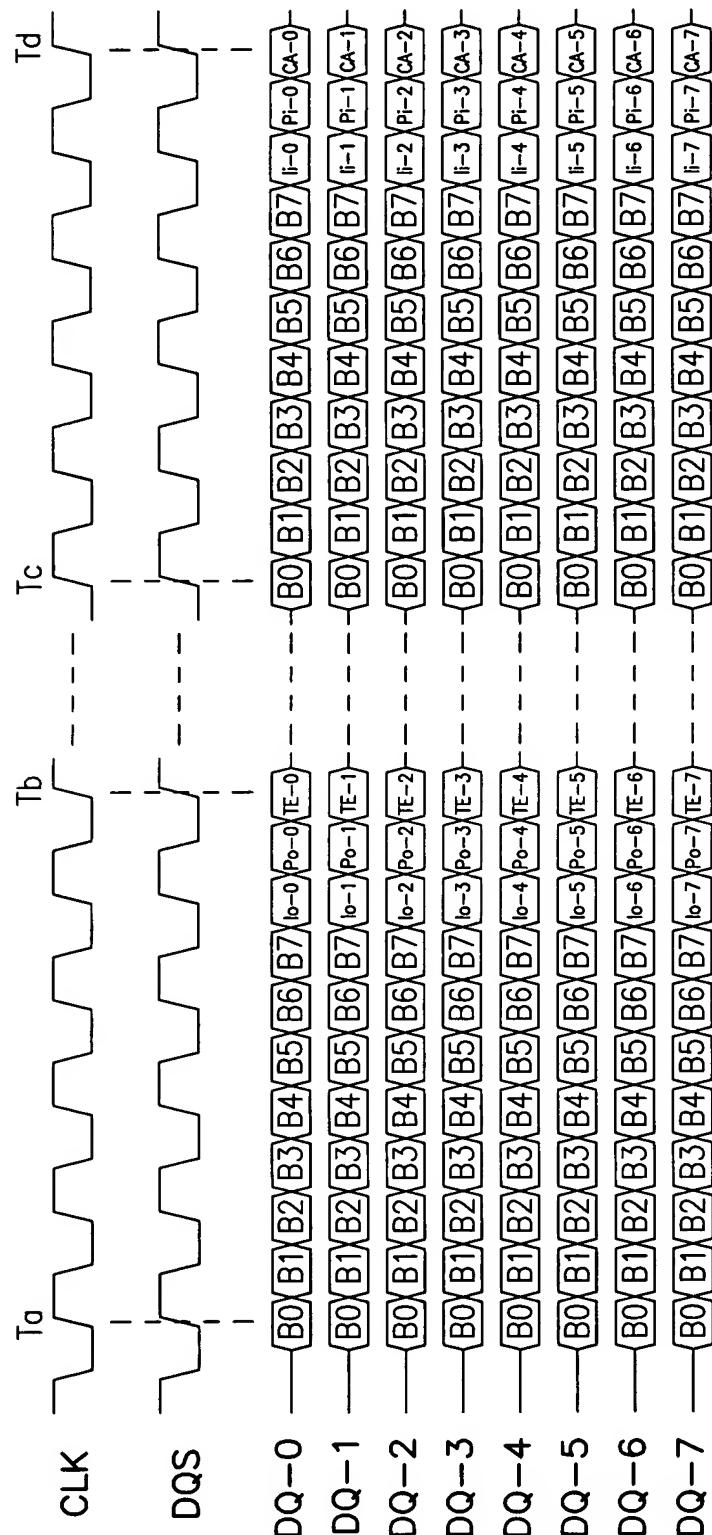
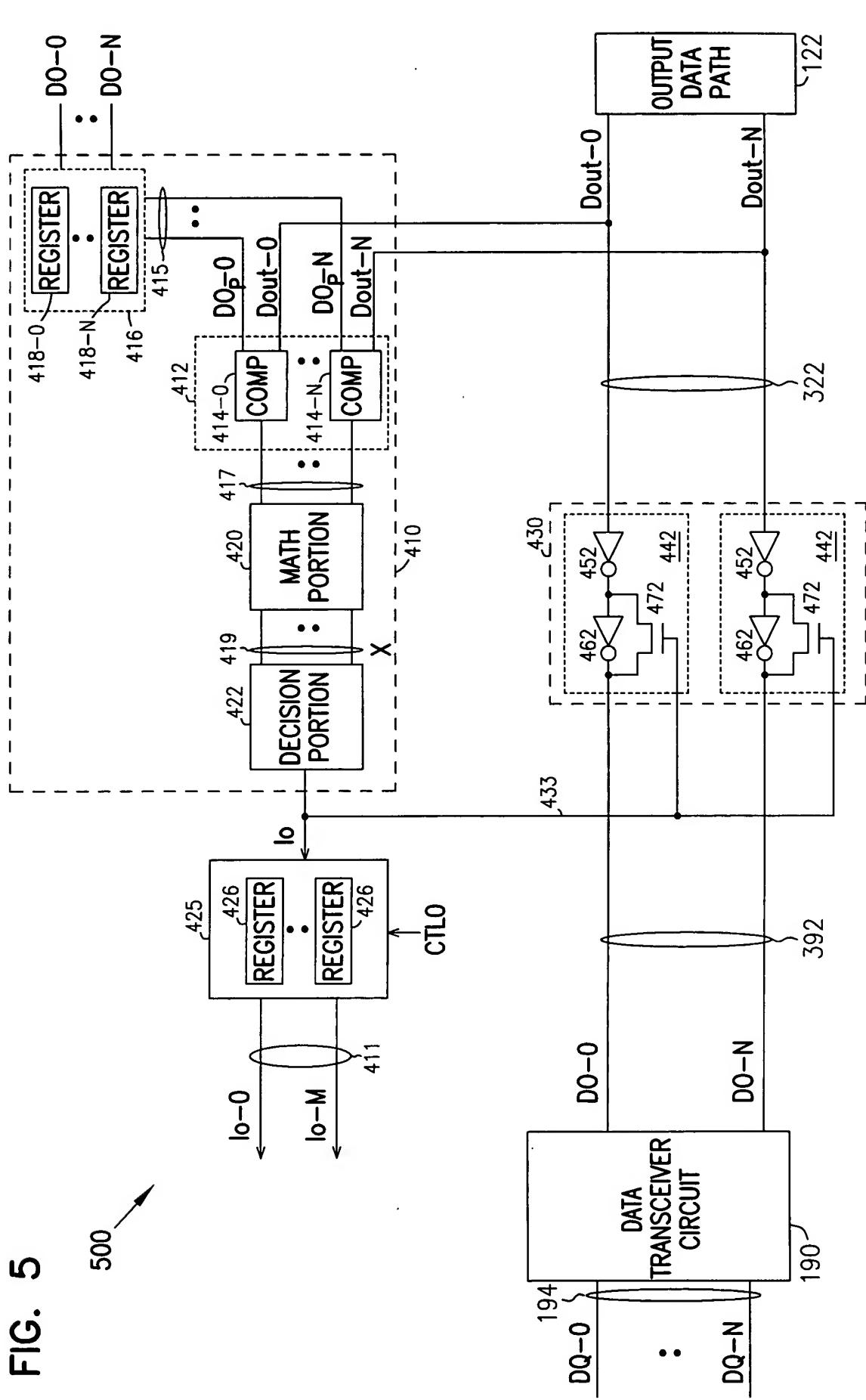


FIG. 4



		B0 B0 B0 B0 B0 B0 B0 B0			
DO <sub>P</sub>		00000111	Io	X	Y
ROW 1 {	Dout-0 TO Dout-7	11111000	1	8	0
	INVERTED (Dout-0 TO Dout-7)	00000111			
	Dout-0 TO Dout-7	11110000	1	7	1
	INVERTED (Dout-0 TO Dout-7)	00001111			
	Dout-0 TO Dout-7	11100000	1	6	2
	INVERTED (Dout-0 TO Dout-7)	00011111			
	Dout-0 TO Dout-7	11000000	1	5	3
	INVERTED (Dout-0 TO Dout-7)	00111111			
	Dout-0 TO Dout-7	10000000	0	4	4
	INVERTED (Dout-0 TO Dout-7)	01111111			
	Dout-0 TO Dout-7	00000000	0	3	5
	INVERTED (Dout-0 TO Dout-7)	11111111			
	Dout-0 TO Dout-7	00000001	0	2	6
	INVERTED (Dout-0 TO Dout-7)	11111110			
	Dout-0 TO Dout-7	00000011	0	1	7
	INVERTED (Dout-0 TO Dout-7)	11111100			
ROW 6 {	Dout-0 TO Dout-7	00000111	0	0	8
	INVERTED (Dout-0 TO Dout-7)	11111000			
	Dout-0 TO Dout-7	00001111	0	1	7
	INVERTED (Dout-0 TO Dout-7)	11110000			
	Dout-0 TO Dout-7	00011111	0	2	6
	INVERTED (Dout-0 TO Dout-7)	11100000			
	Dout-0 TO Dout-7	00111111	0	3	5
	INVERTED (Dout-0 TO Dout-7)	11000000			
	Dout-0 TO Dout-7	01111111	0	4	4
	INVERTED (Dout-0 TO Dout-7)	10000000			
	Dout-0 TO Dout-7	11111111	1	5	3
	INVERTED (Dout-0 TO Dout-7)	00000000			
	Dout-0 TO Dout-7	11111110	1	6	2
	INVERTED (Dout-0 TO Dout-7)	00000001			
	Dout-0 TO Dout-7	11111100	1	7	1
	INVERTED (Dout-0 TO Dout-7)	00000011			

FIG. 6

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

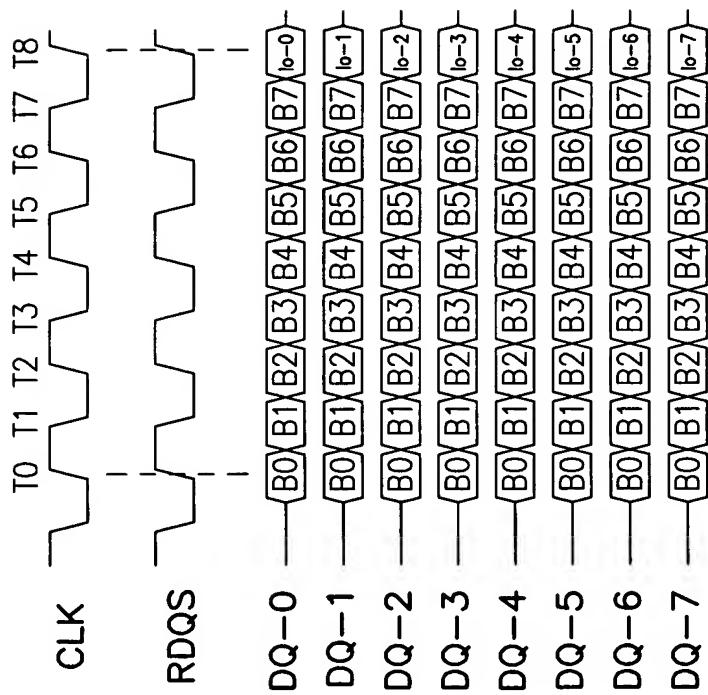


FIG. 7

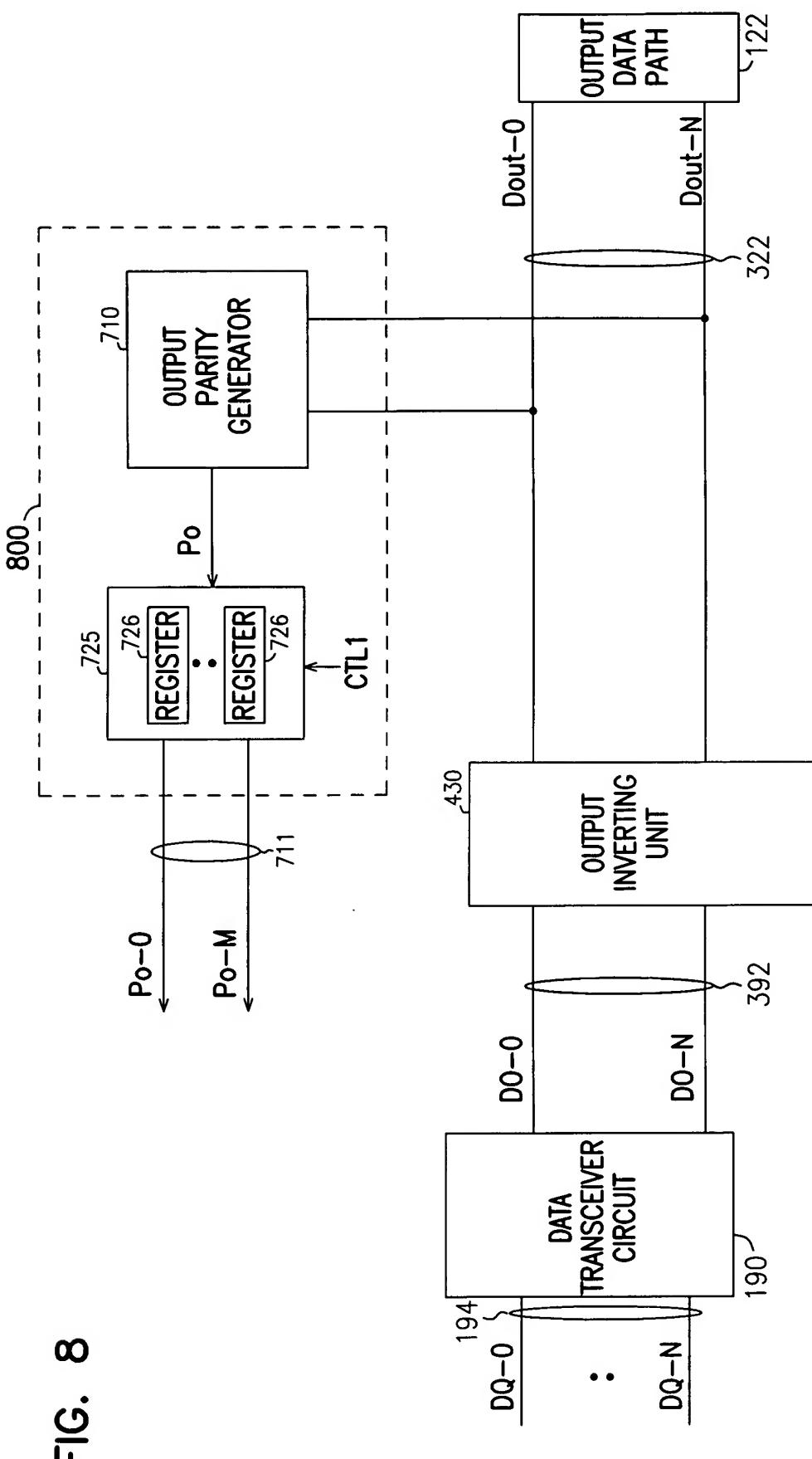


FIG. 8

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

Dout-0 TO Dout-7 B0 B0 B0 B0 B0 B0 B0 B0		PO
ROW 1	00000000	0
	00000001	1
ROW 3	00000011	0
	00000111	1
	00001111	0
ROW 6	00011111	1
	00111111	0
	01111111	1
	11111111	0
	11111110	1
	11111100	0
	11111000	1
	11110000	0
ROW 14	11100000	1
	11000000	0
	10000000	1

FIG. 9

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

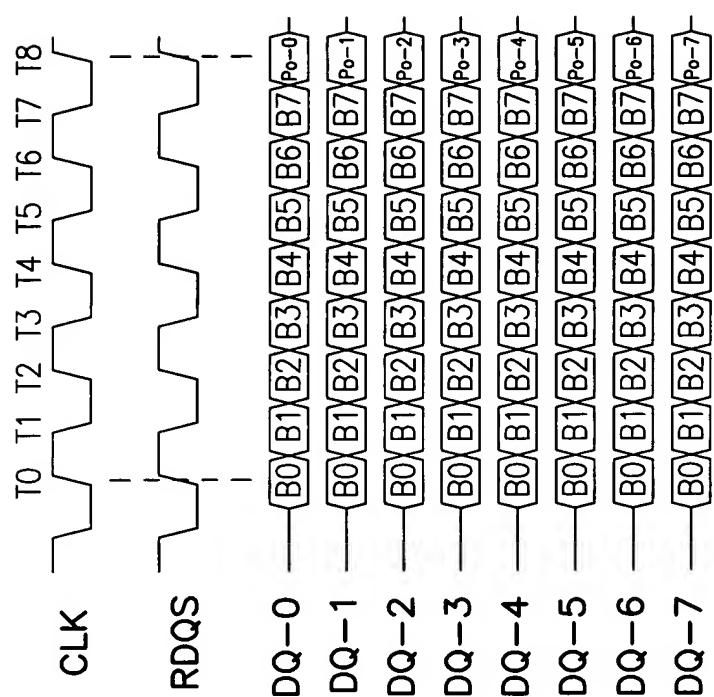
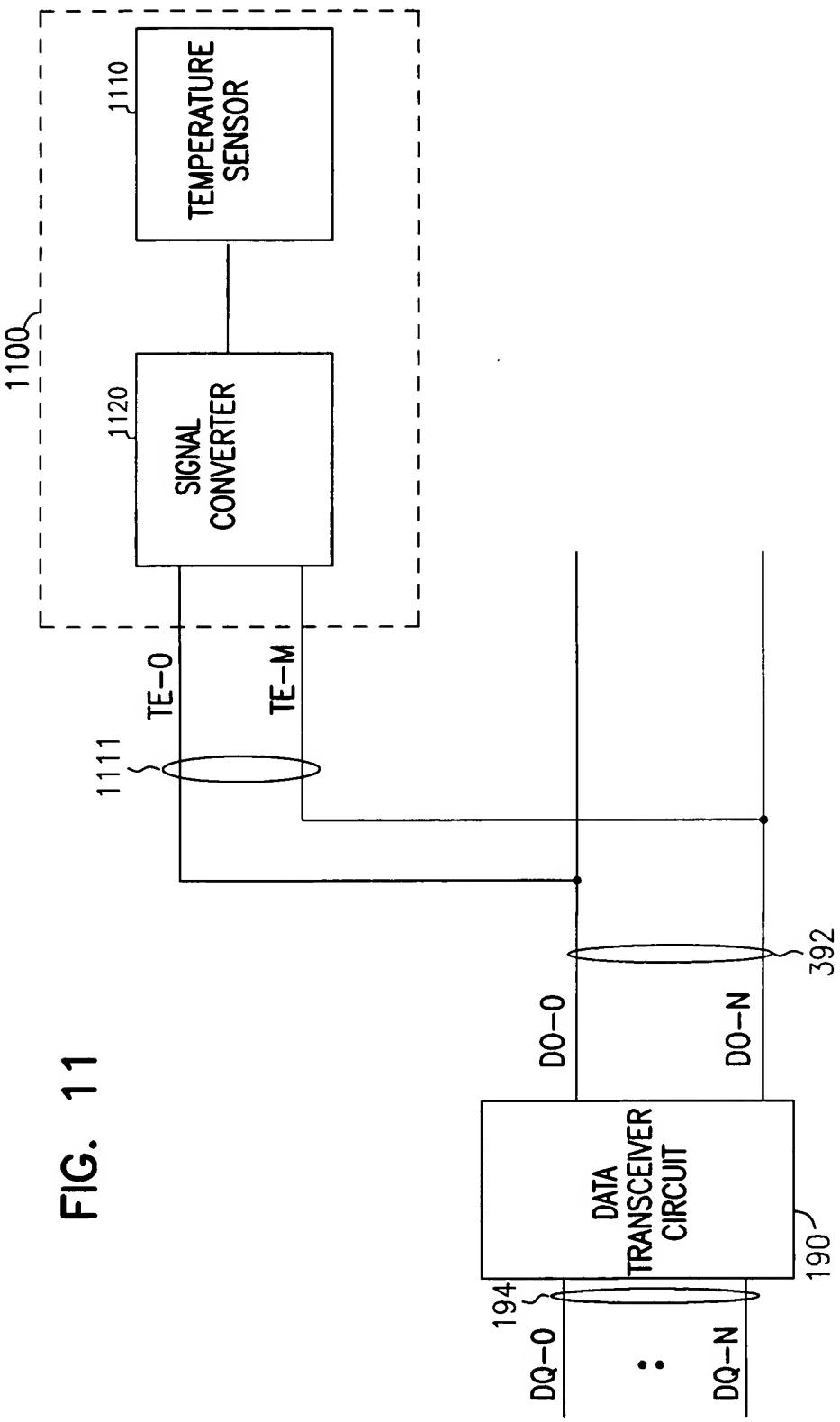


FIG. 10



TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

BITS	COL1	COL2	COL3	COL4	COL5	COL6	COL7	COL8
	TMP							
TE-0	0	0	0	0	0	0	0	0
TE-1	0	0	0	0	0	0	0	1
TE-2	0	0	0	0	0	0	1	1
TE-3	0	0	0	0	0	0	1	1
TE-4	0	0	0	0	0	1	1	1
TE-5	0	0	0	0	1	1	1	1
TE-6	0	0	1	1	1	1	1	1
TE-7	0	1	1	1	1	1	1	1
TEMP °C	0	15	30	45	60	75	90	105

FIG. 12

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

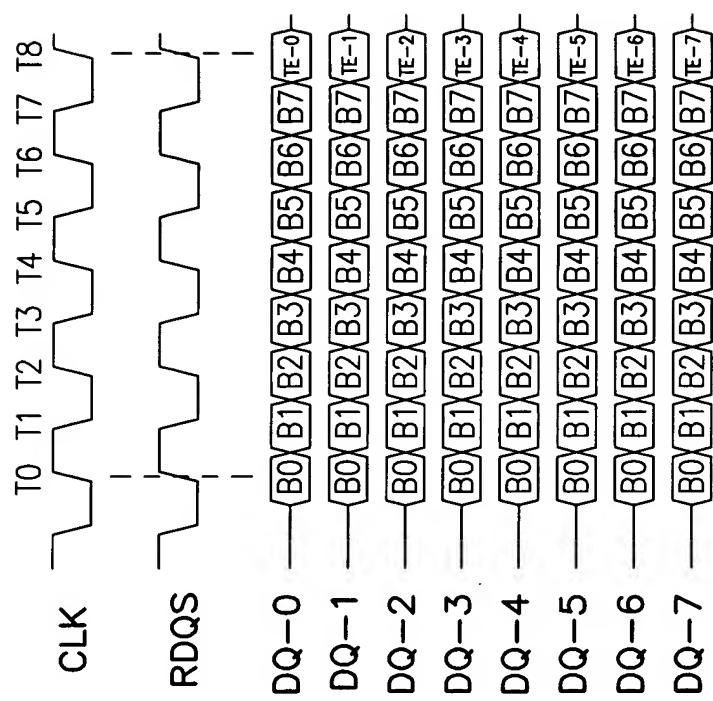
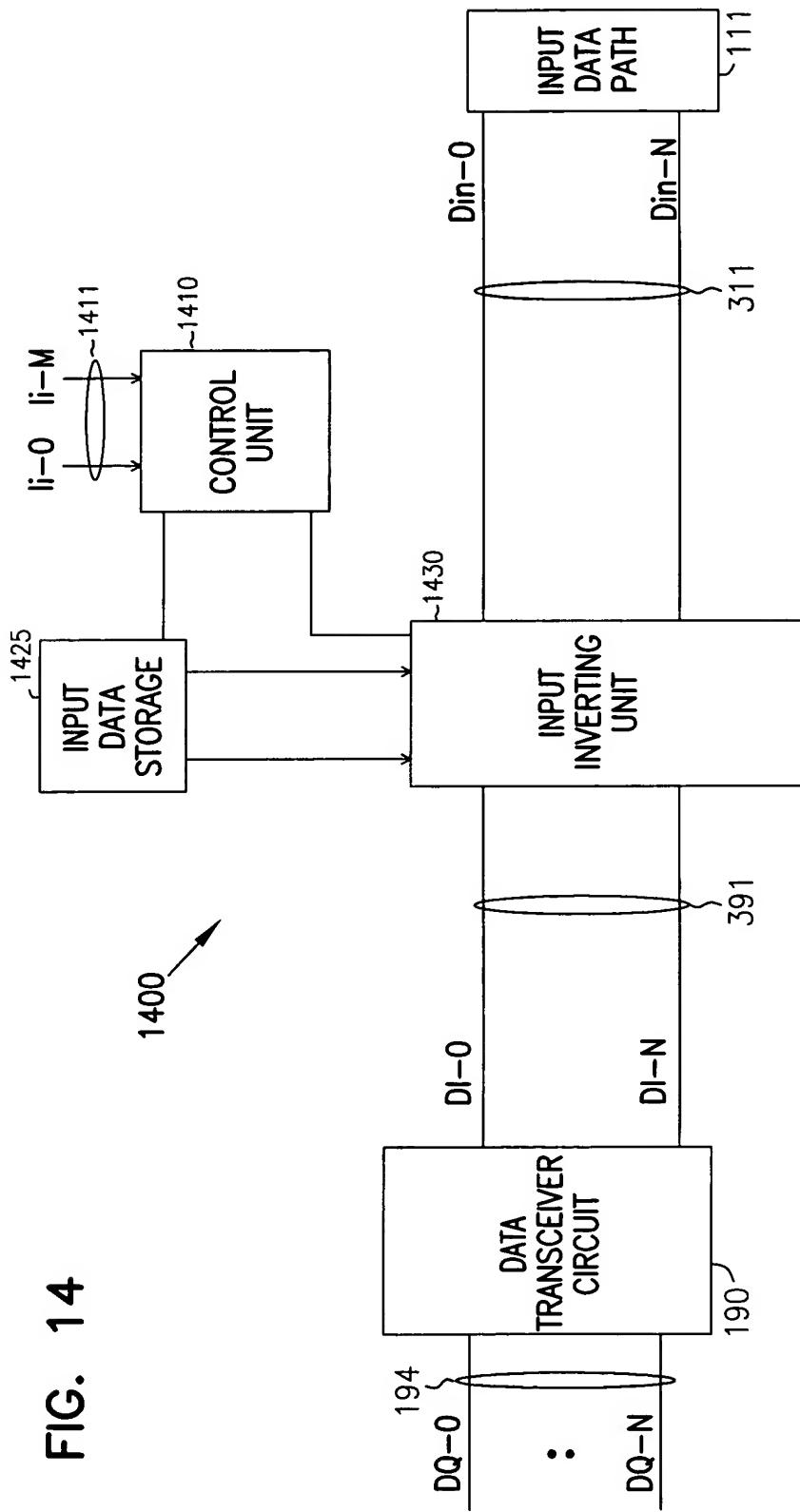


FIG. 13



TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

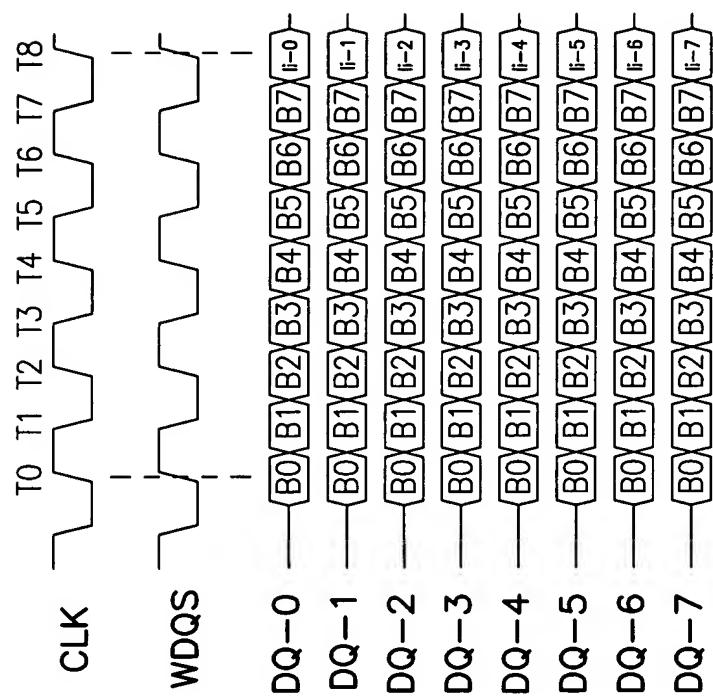


FIG. 15

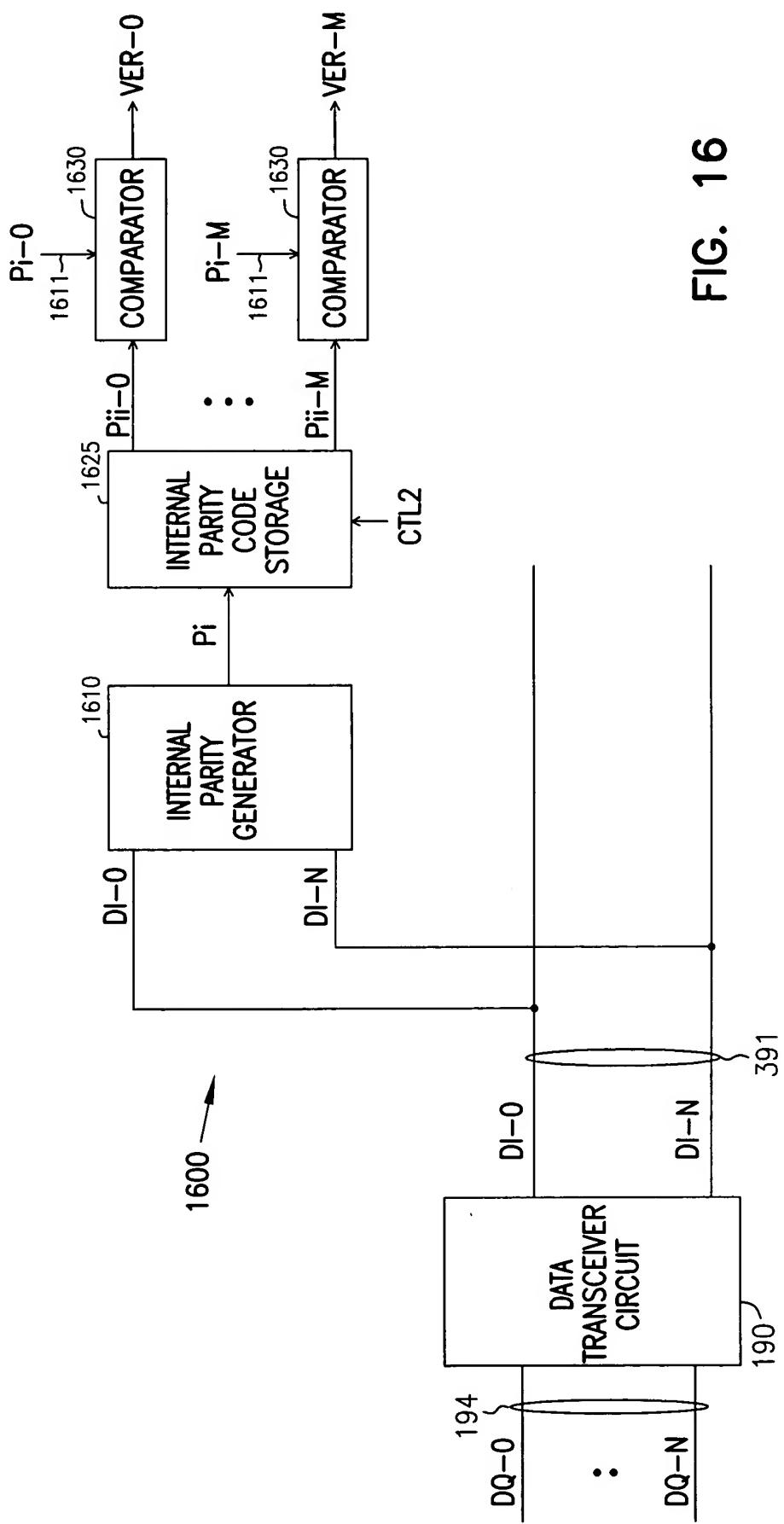


FIG. 16

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

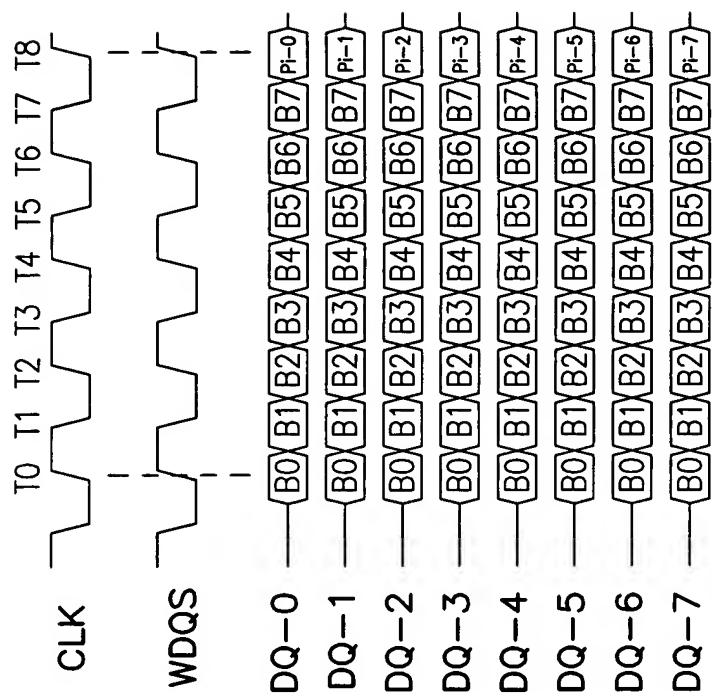


FIG. 17

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

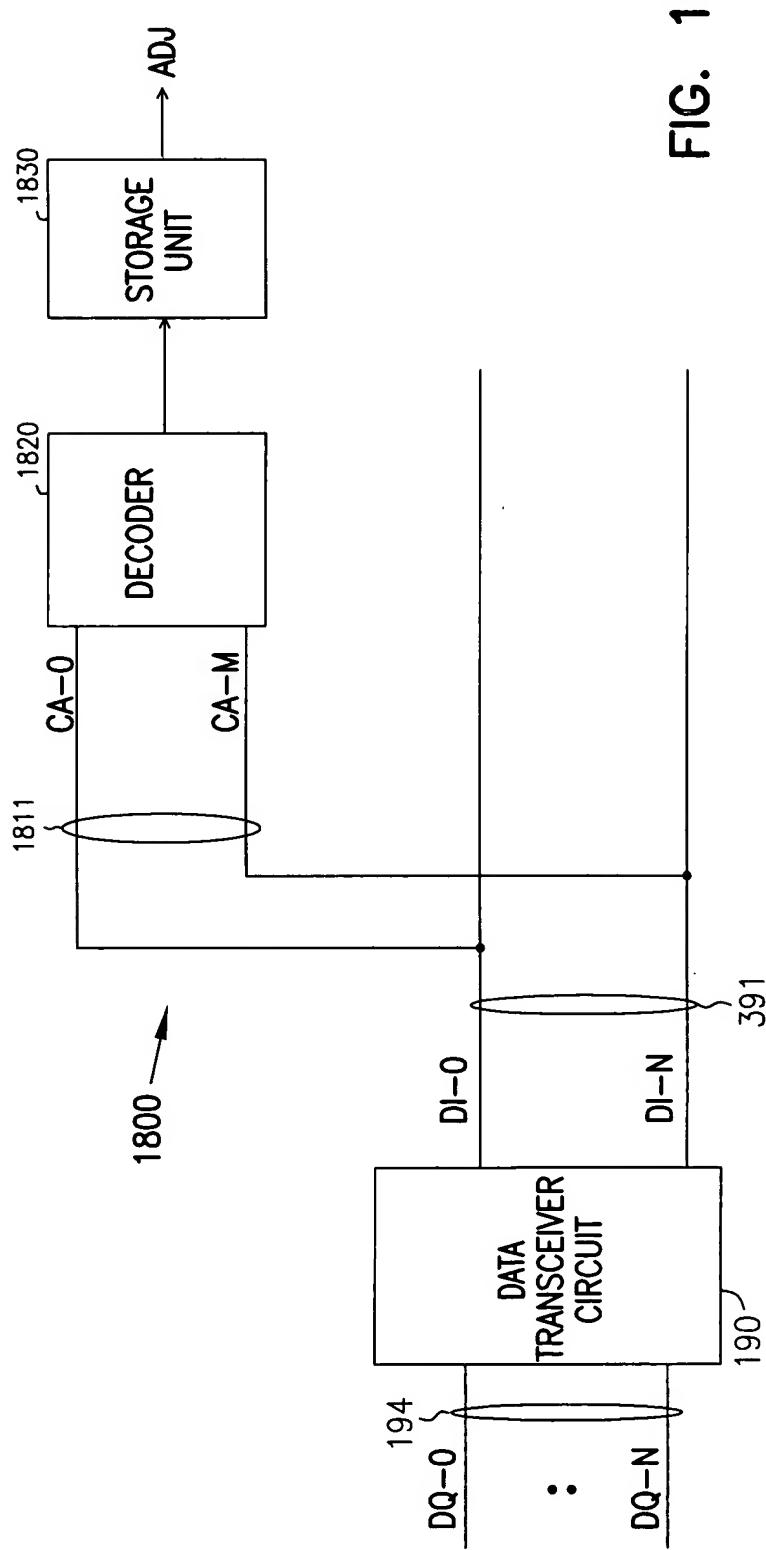


FIG. 18

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

BITS	COL1	COL2	COL3	COL4	COL5	COL6	COL7	COL8
CA-0	0	0	0	0	0	0	0	0
CA-1	0	0	0	0	0	0	0	1
CA-2	0	0	0	0	0	0	1	1
CA-3	0	0	0	0	0	0	1	1
CA-4	0	0	0	0	0	1	1	1
CA-5	0	0	0	0	0	1	1	1
CA-6	0	0	1	1	1	1	1	1
CA-7	0	1	1	1	1	1	1	1
DELAY	-200	-150	-100	-50	50	100	150	200

FIG. 19

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

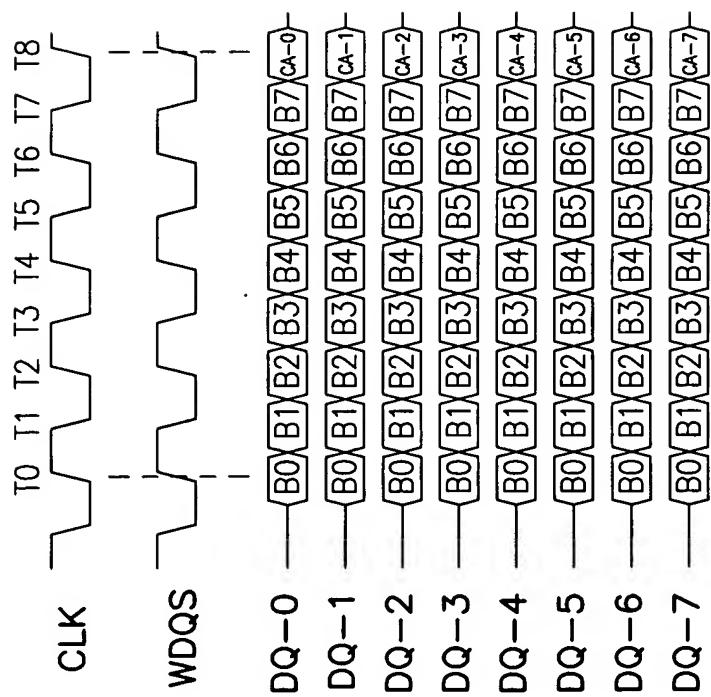


FIG. 20

TITLE: MEMORY DEVICE HAVING TERMINALS FOR TRANSFERRING MULTIPLE TYPES OF DATA  
INVENTOR: JOO CHOI  
DOCKET NO.: 303.880US1

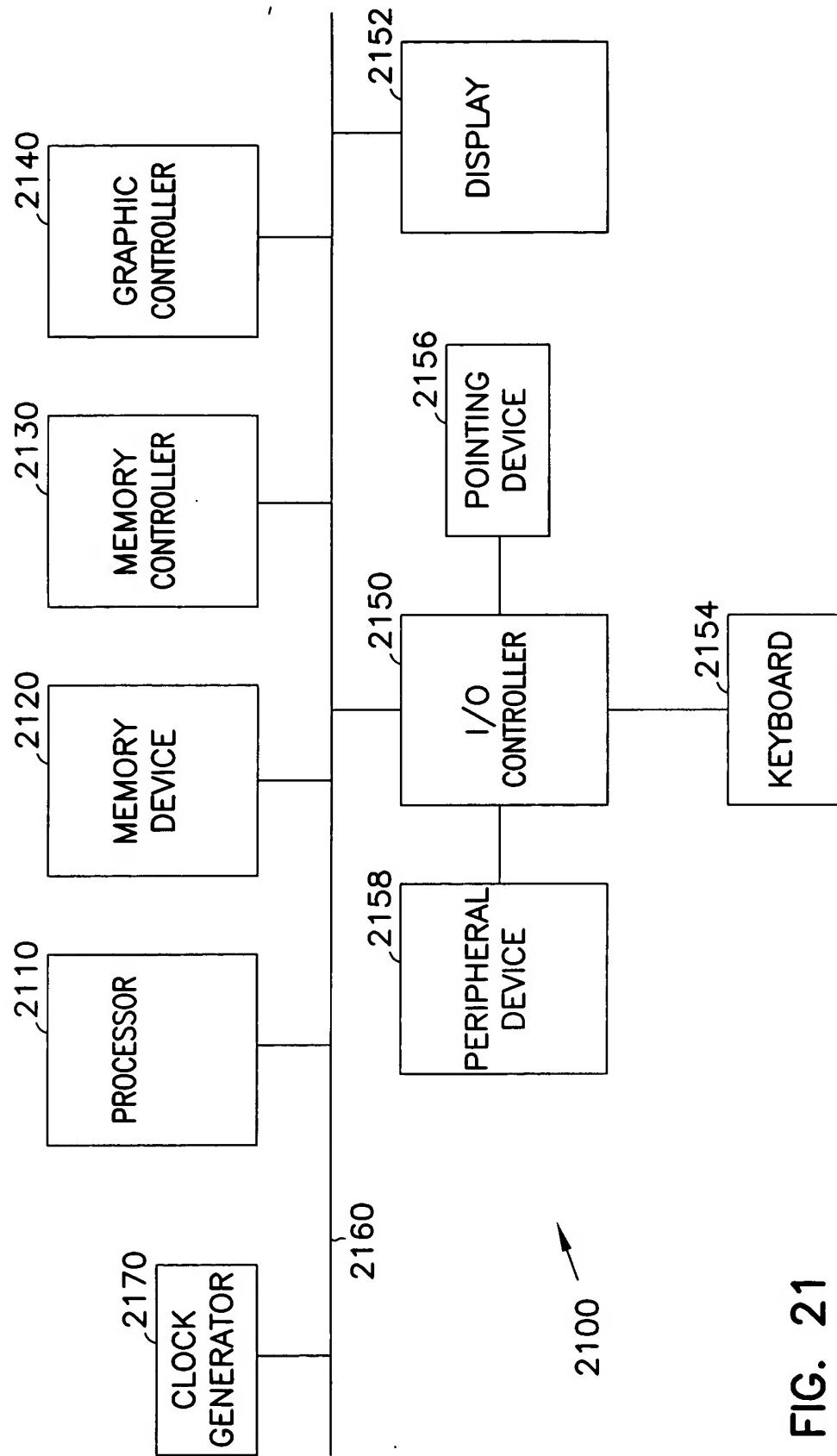


FIG. 21